

IN THE CLAIMS:

1. (Currently Amended) A data processing system for controlling access of at least one user to stored data, the data processing system comprising:

means, responsive to a request from the user to access a set of the stored data that is available to the at least one user, for authenticating the user, wherein the request is initiated by presentation of a token by the user;

means, responsive to successful authentication, for decrypting a user specific table associated with the user, wherein the user specific table identifies the set, and wherein the token comprises the means for authenticating the user and the means for decrypting the user specific table; and

means, responsive to successful decryption, for accessing the set, wherein the set is encrypted and the user specific table comprises (i) first data associated with decryption of the set and (ii) second data associated with location of the set, and wherein the means for accessing the set uses the first data to decrypt the set and the second data to locate the set;

wherein the stored data is capable of access by more than one user, wherein the data processing system includes a corresponding additional user specific table for each additional user of the more than one user, and wherein the system further comprises means for accessing a data structure comprising user data associated with each user of the more than one users that references a table location of the user specific table associated with a given user.

2 - 3. (Cancelled)

4. (Previously Presented) The data processing system of claim 1, wherein the set comprises all of the stored data.

5. (Previously Presented) The data processing system of claim 1, wherein the set comprises a portion of the stored data.

6. (Cancelled)

7. (Currently Amended) The data processing system of claim [[6]] 1, wherein the token comprises means associated with an identity of the user.

8. (Previously Presented) The data processing system of claim 7, wherein the means associated with the identity of the user is derived from one or more biometric characteristics associated with the user.

9. (Cancelled)

10. (Cancelled)

11. (Currently Amended) A method of controlling access by at least one user to stored data via a data processing system, the method comprising the steps of:

in response to a request from the user to access a set of the stored data that is available to the user, authenticating the user, wherein the request is initiated by presentation of a token by the user;

in response to successful authentication, decrypting a user specific table associated with the user, wherein the user specific table identifies the set, and wherein the token comprises the means for authenticating the user and the means for decrypting the user specific table; and

in response to successful decryption, accessing the set, wherein the set is encrypted and the user specific table comprises (i) first data associated with decryption of the set and (ii) second data associated with location of the set, and wherein the accessing the set uses the first data to decrypt the set and the second data to locate the set;

wherein the stored data is capable of access by more than one user, wherein the data processing system includes a corresponding additional user specific table for each additional user of the more than one user, and wherein the system further comprises accessing a data structure comprising user data associated with each user of the more than one users that references a table location of the user specific table associated with a given user.

12. (Currently Amended) A tangible medium on which is stored a computer program product, wherein the computer program product comprises:

first computer readable instructions for, in response to in response to a request from the user to access a set of the stored data that is available to the user, authenticating the user, wherein the request is initiated by presentation of a token by the user;

second computer readable instructions for, in response to successful authentication, decrypting a user specific table associated with the user, wherein the user specific table identifies the set, and wherein the token comprises the means for authenticating the user and the means for decrypting the user specific table; and

third computer readable instructions for, in response to successful decryption, accessing the set, wherein the set is encrypted and the user specific table comprises (i) first data associated with decryption of the set and (ii) second data associated with location of the set, and wherein the third computer readable instructions for accessing the set uses the first data to decrypt the set and the second data to locate the set; wherein the stored data is capable of access by more than one user, and includes a corresponding additional user specific table for each additional user of the more than one user, and further comprising fourth computer readable instructions for accessing a data structure comprising user data associated with each user of the more than one users that references a table location of the user specific table associated with a given user.

13. (Currently Amended) The data processing system of claim 1, ~~wherein the data processing system includes a corresponding additional user specific table for each additional user of the at least one user,~~ wherein the means for decrypting also comprises means for attempting to decrypt, in turn, each of the corresponding additional user specific tables as well as the user specific table until a successful decryption occurs.

14. (Cancelled)

15. (Currently Amended) The method of claim 11, ~~wherein a corresponding additional user specific table is provided for each additional user of the at least one user, and~~ wherein the method further comprises:

attempting to decrypt, in turn, each corresponding additional user specific table as well as the user specific table until a successful decryption occurs.

16. (Cancelled)

17. (Currently Amended) The tangible medium of claim 12 ~~wherein, with respect to the computer program product, a corresponding additional user specific table is provided for each additional user of the at least one user, and~~ wherein the computer program further comprises:

fourth computer readable instructions for attempting to decrypt, in turn, each corresponding additional user specific table as well as the user specific table until a successful decryption occurs.

18. (Cancelled)